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MATERIALS TESTING BRANCH  
DE-MAO-2, ROOM 1218, O&C BUILDING, PHONE 867-4614  
KENNEDY SPACE CENTER, FLORIDA 32899  
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MTB-268-86A

SUBJECT: Application Characteristics and Laboratory Testing of  
Protective Coating Systems For Carbon Steel Exposed to  
Simulated SRB Effluent

RELATED DOCUMENTATION: MTB-268-86 "Test Plan for Protective  
Coating Systems for Carbon Steel Exposed  
to Simulated SRB Effluent" DE-MAO-2, L.  
G. MacDowell, May 23, 1986.

1.0 FOREWORD

1.1 This is an interim report on the Protective Coating  
System Program currently being conducted by the  
Materials Testing Branch (MTB), DE-MAO-2, to evaluate  
candidate systems for protection of carbon steel from  
both marine corrosion and attack by the SRB  $Al_2O_3/HCl$   
effluent.

1.2 This report contains the application data for the 114  
coating systems which were applied in the MTB paint  
shop by Mr. Edwin V. Tier, a journeyman painter under  
contract to NASA. These systems are identified in  
Tables I - VI.

- 1.3 The report also contains the results of laboratory adhesion and heat testing of the inorganic zinc coatings systems.

## 2.0 MATERIALS AND EQUIPMENT

- 2.1 The coating systems used in the program were supplied by interested manufacturers and collected by DE-MAO-2. The systems are listed in the Tables. The acronyms used in the tables are identified as follows:

IZ-1	Single-component inorganic zinc.
IZ-2	Two-component inorganic zinc.
VEN-EU	Vendor's inorganic zinc and same vendor's epoxy/urethane.
VEN-HBEU	Vendor's inorganic zinc and same vendor's high build epoxy/urethane.
VEN-REC	Vendor's inorganic zinc and same vendor's recommended alternate to epoxy/urethane.
VEN-IO	Vendor's inorganic zinc and Amercoat 741.

- 2.2 The paint shop was equipped with a Binks Model 18 spray gun with graphite packings, various combinations of fluid needles, fluid nozzles, and air caps suited to spray materials of varying viscosities, a 1-quart DeVilbiss pressure cup, and a 2-quart Stewart Warner agitated pressure cup.

- 2.3 Dry film thickness was measured with a properly calibrated Mikrotest magnetic pull-off guage and a Positector 2000 digital magnetic guage calibrated with plastic shims.

### 3.0 APPLICATION PROCEDURE

- 3.1 The carbon steel panels, both the KTA (Tator) panels for exposure testing and the flat 4-inch x 6-inch x 1/8-inch panels for laboratory tests, were sandblasted with 20 to 30-micron silica sand at 100 psi at the nozzle to the white metal condition described as No. 1 in NACE STD TM-01-70. The panels were blasted within several hours prior to the application of the primer coat to assure a clean, non-contaminated surface for painting. The anchor profile created by the sandblasting ranged from 1.0 - 2.0 mils.
- 3.2 The various coatings were applied to a dry film thickness of 3-5 mils for the zinc-rich primers and varying dry film thickness for the tie coats and topcoats. Insofar as the directions were complete, manufacturer's instructions were followed in mixing, thinning, and applying the coatings. After initial thorough mixing of the zinc primers, they were kept agitated in the 2-quart Stewart Warmer agitated pressure cup during application to prevent any settling of the zinc powder. The appendix to this report contains an application data sheet for each of the 119 materials being evaluated.
- 3.3 Although protective coatings must often be applied outdoors at KSC, due to the size or site of the structure to be protected, the resultant variations in temperature, humidity and wind conditions constitute test variables which were eliminated by applying the coatings inside the paint shop, all under the same conditions by the same painter.

#### 4.0 LABORATORY TESTS

4.1 Two methods of adhesion testing were employed to judge adhesion of the inorganic zinc rich primers. The first was performed in accordance with ASTM D2197-68 using a Gardner Laboratory balanced-beam scrape adhesion tester. In this test the paint film is pushed beneath a rounded loop stylus mounted in a pivoted beam which is loaded incrementally until the film is stripped from its base or resists 10kg, which is the maximum load. The results of the scrape adhesion tests are listed in Table VII for panels of each inorganic zinc primer. The second adhesion test was accomplished using an Elcometer 106-1 adhesion tester designed to measure the bond strength of applied coatings in pounds per square inch. The instrument uses the pull-off method to measure the lift off force required to pull a small area of coating away from the base metal. In this test, a dolly is glued to the coating under examination, the glue is allowed to cure, the coating is cut through around the perimeter of the dolly using a special cutter, and then the instrument claw is attached to the dolly. The lift force required to pull away the dolly is recorded by means of a dragging indicator on an engraved scale. The indicator retains the value when the dolly and coating separate from the surface so it can be properly recorded. The indicator is then re-set to zero prior to each test. The results of these tests are listed in Table VIII for each inorganic zinc primer.


4.2 KSC-STD-C-0001, Rev A, issued May 21, 1985, requires that an inorganic zinc coating show no evidence of failure when exposed to a temperature of 400°C (750°F)

for 24 hours. A loss of adhesion after heating constitutes a failure due to temperature effects on the coating film. From the results of the scrape adhesion test only 10 of 26 inorganic zinc coatings applied for this program passed that standard. The results of this testing program are presented in Table VIII. However, when the same coatings were tested using the Elcometer adhesion test, 22 of the 26 inorganic zinc coating passed that standard. The results of this testing program are presented in Table IX. The exact reasons for these discrepancies are unclear; however, probable causes are as follows. The scrape adhesion test described by ASTM D 2197-68 is a test related to organic coatings. Applying results from this test to inorganic zinc primer coatings may be misleading. The scrape adhesion test appears to be more sensitive to coating hardness and brittleness thus less suitable for evaluating coating films rich in metallic zinc. On the other hand, the Elcometer pull-off test is suited to test the adhesion of any type of applied coating. From the results shown in the table, it is interesting to note that 22 of 26 coatings actually maintained or increased their adhesion levels upon heating. This result is to be expected of an inorganic zinc coating due to the heat causing them to cure further. This increased tensile strength would also lead to increased film brittleness possibly causing them to fail the scrape adhesion test. The four coatings that failed the Elcometer test also failed the scrape adhesion test indicating deterioration in the film due to exposure to high temperature. This could indicate that these coatings have significant organic content. Color changes were assumed due to dyes and not judged to impair performance of the zinc coatings.


5.0 CONCLUSIONS

Some 26 inorganic zinc and 88 topcoat systems are being tested at the beach corrosion site. This report presents information on their application characteristics and some laboratory testing.

INVESTIGATOR

  
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APPROVED:

  
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## TABLE I

IZ-1

MANUFACTURERZINC

Subox

Galvanox IV

TABLE II

IZ-2

<u>MANUFACTURER</u>	<u>ZINC</u>
Ameron	D-6
Ameron	D-9
Byco	SP 101
Carboline	CZ-11
Ceilmate	200
Con-Lux	Zinc Plate 21
Coronado	935-152
Devco-Marine	Catho-Coat 304
Devco-Prufcoat	Zinc Prime 500
DuPont	Ganadin
Engard	Engard 519
Glidden	Glid Zinc 5530
Glidden	Glid Zinc 5536
International	Interzinc 22
KOPPERS	701
Mobil/Valspar	13-F-12
NAPKO	5-Z
Porter	Zinc Lock 311
PPG	Metalhide 1001
Reliance	Rel-Zinc 100
Rustoleum	5686
Sherwin Williams	Zinc Clad A23
Sigma	7551
Subox	Galvanox V
Tnemec	90E-75



TABLE III

## VEN-EU

<u>MANUFACT.</u>	<u>ZINC</u>	<u>EPOXY</u>	<u>POLYURETHANE</u>
Ameron	D-6/D-9	182	450GL
Byco	SP 101	300HB	450
Carboline	CZ-11	193LF	134
Ceilmate	200	Ceilmate 675	Ceilmate 420
ConLux	Zinc Plate 21	Epolon 20	Acrolon 200
Coronado	935-152	101-147	827-1
Devoe-Marine	Catha-coat 304	Devran 201	Devthane 239
Devoe-Prufcoat	Zinc Prime 500	Chemfast 545	Prufthane 369
DuPont	Ganicin	Corlar B.B.	Imron
Engard	Engard 519	1447	428
Glidden	5530/5536	5461	Glidthane II
International	Interzinc 22	Intergard	Interthane
Koppers	701	654	1122 BRS
Mobil/Valspar	13-F-12	13-R-60	40 Series
Napco	5-Z	516	290
Porter	Zinc Lock 311	MCR-43	Hythane 4610
PPG	Metalhide 1001	97-3	97-812
Reliance	Rel-Zinc 100	Rel-Pon 592P	Rel-thane 300
Rust Oleum	5686	M9373	9492
Sherwin Williams	Zinc Clad A23	Tile Clad A22	Polane
Sigma	7551	5434	7523
Subox	Galvanox IV/V	Capox A 8051	Subthane 3000
Tnemec	90E-75	Epoxoline 66	Series 70/71

TABLE IV

## VEN-HBEU

<u>MANUFACT.</u>	<u>ZINC</u>	<u>EPOXY</u>	<u>POLYURETHANE</u>
Ameron	D6/D9	383HS	2490
Byco	SP-101	300HB	451
Carboline	CZ-11	190HB	133HB
Ceilmate	200	Ceilmate 690	Ceilmate 470
ConLux	Zinc Plate 21	Epolon 390	Acrolon 200
Coronado	935-152	111-111	827-1
Devoe-Marine	Catha-coat 304	Devran 230	Devthane 249
Devoe-Prufcoat	Zinc Prime 500	Chemfast 547	Prufthane 359
DuPont	Ganicin	Corlar HB	Imron HB
Engard	Engard 519	1447	449
Glidden	5530/5536	5555	Glidthane HB
International	Interzinc 22	Intergard HB	Interthane HB
Koppers	701	Higard Epoxy	1122 BRS
Mobil/Valspar	13-F-12	78-D-7	41 Series
Napco	5-Z	520	295
Porter	Zinc Lock 311	MCR 43	Hythane 8610
PPG	Metalhide 1001	97-139	97-812
Reliance	Rel-Zinc 100	Rel-Pon 70	Rel-thane 320
Rust Oleum	5686	9582 HB	9492
Sherwin Williams	Zinc Clad A23	HiSolids E102	HiBld E106
Sigma	7551	5434	7523
Subox	Galvanox IV/V	8500	Subthane 3100
Tnemec	90E-75	Epoxoline 66	Series 73

TABLE V

## VEN-REC

<u>MANUFACT.</u>	<u>ZINC</u>	<u>MID COAT</u>	<u>TOP COAT</u>
Ameron	D-6/D-9	Amerlock 400	2490
Byco		Not Supplied	
Carboline	CZ-11	188HB	133HB
Ceilmate		Not Supplied	
ConLux	Zinc Plate 21	Metal Bond 47/Vinyloid 93	Vinyloid 98
Coronado		Not Supplied	
Devoe-Marine	CathaCoat 304	Devran 201	Devthane 249
Devoe-Prufcoat		Not Supplied	
DuPont	Ganicin	Corlar HB	Imron
Engard		Not Supplied	
Glidden		Not Supplied	
International	Interzinc 22	TAA 423 Epoxy	Interthane
Koppers		Not Supplied	
Mobil/Valspar	13-F-12	83 Series Vinyl	22 Series
Napco		Not Supplied	
Porter	Zinc Lock 311	Magna Glass 77	Hythane 4610
PPG	Metalhide 1001	97-148/149	97-812/819
Reliance		Not Supplied	
Rust Oleum	5686	95-1501	9492
Sherwin Williams		Not Supplied	
Sigma		Not Supplied	
Subox	Galvanox IV/V	Capox A 4551	Subthane 3100
Tnemec		Not Supplied	

TABLE VI

## VEN-10

<u>MANUFACTURER</u>	<u>ZINC</u>	<u>AMERCOAT 741</u>
Ameron	D-6/D-9	Amercoat 741
Byco	SP 101	Amercoat 741
Carboline	CZ-11	Amercoat 741
Celcote	200	Amercoat 741
Con-Lux	Zinc Plate 21	Amercoat 741
Coronado	935-152	Amercoat 741
Devoe-Prufcoat	Zinc Prime 500	Amercoat 741
DuPont	Ganicin	Amercoat 741
Engard	519	Amercoat 741
Glidden	5530/5536	Amercoat 741
International	Interzinc 22	Amercoat 741
Koppers	701	Amercoat 741
Mobil/Valspar	13-F-12	Amercoat 741
Napko	5-Z	Amercoat 741
Porter	Zinc Lock 311	Amercoat 741
Reliance	Rel-Zinc 100	Amercoat 741
Sherwin Williams	Zinc Clad A23	Amercoat 741
Sigma	7551	Amercoat 741
Subox	Galvanox IV/V	Amercoat 741
Tnemec	90E-75	Amercoat 741

TABLE VII  
ADHESION TEST RESULTS (SCRAPE ADHESION)

	<u>ADHESION LOAD (KG)</u>	
	<u>PANEL 1</u>	<u>PANEL 2*</u>
IZ-1		
Subox Galvanox IV	10	10
IZ-2		
Ameron D-6	10	10
Ameron D-9	7	10
Byco SP 101	10	10
Carboline CZ-11	10	10
Ceilmate 200	10	10
Con-Lux Zinc Plate 21	10	10
Coronado 935-152	10	10
Devoe Marine Cathacoat 304	10	8
Devoe Prufcoat Zinc Prime 500	10	10
DuPont Ganicin	10	10
Engard 519	10	10
Glidzinc 5530	6	10
Glidzinc 5536	5	6
Interzinc 22	10	10
Koppers 701	10	10
Mobil/Valspar 13-F-12	10	10
Napko 5-Z	10	10
Porter Zinc Lock 311	10	10
PPG Metalhide 1001	10	10
Reliance Relzinc 100	10	10
Rustoleum 5686	10	10
Sherwin Williams Zinc-Clad A23	10	10
Sigma 7551	10	10
Subox Galvanox V	7	8
Tnemec 90E-75	10	10

\*CURED WITH 4 WATER WASH AND DRY CYCLES

TABLE VIII  
HEAT TEST RESULTS ON ZINC COATINGS (SCRAPE ADHESION)

	<u>ADHESION, KG AFTER 24 HOURS AT 400°C</u>	
	<u>PANEL 1</u>	<u>PANEL 2*</u>
IZ-1		
Subox Galvanox IV	4	4
IZ-2		
Ameron D-6	10	10
Ameron D-9	5	7
Byco SP 101	3	3
Carboline CZ-11	10	9
Ceilgard 200	4	5
Con-Lux Zinc Plate 21	10	10
Coronado 935-152	9	5
Devoe Marine Cathacoat 304	6	2
Devoe Prufcoat Zinc Prime 500	3	2
DuPont Ganicin	4	5
Engard 519	3	3
Glidzinc 5530	3	3
Glidzinc 5536	2	2
Interzinc 22	3	8
Koppers 701	3	2
Mobil/Valspar 13-F-12	5	8
Napko 5-Z	3	2
Porter Zinc Lock 311	4	3
PPG Metalhide 1001	10	10
Reliance Relzinc 100	10	10
Rustoleum 5686	10	10
Sherwin Williams Zinc-Clad A23	2	2
Sigma 7551	10	10
Subox Galvanox V	3	3
Tnemec 90E-75	10	10

\*CURED WITH 4 WATER WASH AND DRY CYCLES

TABLE IX  
ELCOMETER ADHESION RESULTS

	<u>ADHESION (PSI)</u>	
	<u>BEFORE HEATING</u>	<u>AFTER 24 HRS AT 400°C</u>
IZ-1		
Subox Galvanox IV	90	80
IZ-2		
Ameron D-6	120	210
Ameron D-9	100	160
Byco SP 101	150	200
Carboline CZ-11	110	160
Ceilgard 200	100	90
Con-Lux Zinc Plate 21	110	210
Coronado 935-152	60	90
Devoe Marine Cathacoat 304	90	220
Devoe Prufcoat Zinc Prime 500	90	310
DuPont Ganicin	120	170
Engard 519	150	200
Glidzinc 5530	90	100
Glidzinc 5536	100	100
Interzinc 22	120	220
Koppers 701	150	130
Mobil/Valspar 13-F-12	180	260
Napko 5-Z	90	100
Porter Zinc Lock 311	120	190
PPG Metalhide 1001	200	290
Reliance Relzinc 100	160	210
Rustoleum 5686	210	250
Sherwin Williams Zinc-Clad A23	130	220
Sigma 7551	210	380
Subox Galvanox V	150	80
Tnemec 90E-75	160	190

## APPENDIX



PRODUCT: AMERON D-6

BATCH NO.:

DATE: 4/17/88

COLOR: BROWN-RED

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION

SSPC: SP5

ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 101 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP (F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

X

X

X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 2.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME

DRY TO TOUCH: 20 MIN DRY THROUGH: 1 HR

METALLIC POLISH: 2 HRS

F. COMMENTS: MIXES AND SPRAYS WELL - 101 THINNER GIVES A SMOOTHER FINISH  
AND NO DRY SPRAY - 2 PASSES TO MAKE SPEC.

PRODUCT: AMERON D-9

BATCH NO.:

DATE: 10/17/80

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: 72 %RH: 75 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

VARYING COLOR: X X X

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 12 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 10 MILS

E. DRYING TIME DRY TO TOUCH: 5 MIN DRY THROUGH: 20 MIN

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - DOES NOT SETTLE - DRIES FAST - A  
LITTLE THINNER WOULD GIVE A SMOOTHER FINISH

COLOR: RED LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

## APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 35 PSI

## C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 2.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - PINHOLED BUT NO BUBBLES

PRODUCT: AMERON 383HS EPOXY

BATCH NO.:

DATE: 7/17/00

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 101 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 3 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - SLOW DRY

COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: 65 QUANTITY: 15%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 30 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X

2. COATING APPEARANCE FLAT AREAS ANGLES &amp; CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: STIFF - HARD TO MIX - HARD TO SPRAY EVEN AFTER THINNING

PRODUCT: AMERON 450GL URETHANE BATCH NO.: DATE: 4/21/66

COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI  
AIR PRESSURE: 45 PSI

### C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 3.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - WORKS WELL

PRODUCT: AMERON 2490 URETHANE

BATCH NO.:

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 32 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 65 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 3 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - GASES BADLY FOR OVER 2 HRS

PRODUCT: AMERON 741 INORGANIC

BATCH NO.:

DATE: 5/15/66

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 52 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: HARD: X OTHER:

SEPARATION - YES: X NO: DESCRIPTION: HARD IN CAN

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

X

X

X

ORANGE PEEL:

X

X

X

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 1 HR

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - ROUGH OVER 4 MILS WET - DOES NOT FLOW AT ALL -  
WILL BUILD HIGH MILS



PRODUCT: BYCO MOLUZINC 101

BATCH NO.:

DATE: 5/15/88

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 119 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 50 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING: X X X

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 7 MILS DRY FILM (AVERAGE): 3.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES WELL - SPRAYS FAIR - DRY SPRAYS UNLESS THINNED - SKINS  
OVER FAST - RUNS OVER 7 MILS WET

PRODUCT: BYCD MOLUPON 300HB

BATCH NO.:

DATE: 6/10/86

COLOR: GREY

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 300R QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 12 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - CLEANS UP WELL

PRODUCT: BYCO MOLUTHANE 450 URETHANE BATCH NO.: DATE: 6/11/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:	X	X	X
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: 3 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - VERY THIN - NEEDS TWO PASSES TO COVER

PRODUCT: BYCO MOLUTHANE 451 URETHANE BATCH NO.: DATE: 6/11/86

COLOR: BLUE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 10.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL

PRODUCT: CARBOLINE CZ-11 ZINC BATCH NO.: DATE: 9/13/85

COLOR: GREEN LOCATION: KSC ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS: X X X

CRACKING: X X X

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME DRY TO TOUCH: 10 MIN DRY THROUGH: 2 HR

METALLIC POLISH: 8 HR

F. COMMENTS: MIXES AND SPRAYS FAIRLY WELL - RUNS OVER 6 MILS AND CRACKS  
AT THE SAME 6 MILS

PRODUCT: CARBOLINE 193LF EPOXY

BATCH NO.:

DATE: 11/4/85

COLOR: RED

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 15 QUANTITY: 15 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.42 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 10 MIN DRY THROUGH: 45 MIN

METALLIC POLISH:

F. COMMENTS: DID NOT BUBBLE OVER ZINC - WORKS WELL

PRODUCT: CARBOLINE 190HB EPOXY

BATCH NO.:

DATE: 11/4/85

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: # 15 QUANTITY: 5 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 12 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

X

X

SAGS AND RUNS: X

X

X

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 8.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 30 MIN

DRY THROUGH: 1.5 HR

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL

PRODUCT: CARBOLINE 188HB EPOXY BATCH NO.: DATE: 11/4/85

COLOR: LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: SAME XRH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 55 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 7.15 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 1.5 HR

METALLIC POLISH:

F. COMMENTS: A LITTLE HEAVY - MIXES AND SPRAYS WELL



PRODUCT: CARBOLINE 134 URETHANE

BATCH NO.:

DATE: 11/5/85

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME XRH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL

PRODUCT: CARBOLINE 133HB URETHANE BATCH NO.: DATE: 11/5/85

COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 12 PSI

AIR PRESSURE: 55 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 3.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL

PRODUCT: CEILGARD ZINC 200

BATCH NO.:

DATE: 10/8/85

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 78 %RH: 80 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:	X		
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 7 MILS DRY FILM (AVERAGE): 4.8 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 6 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 8 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: SETTLES FAST - FLASHES OFF FAST - SECOND PASS IN 30 SEC - HARI  
TO CLEAN OUT OF CUP

PRODUCT: CEILGARD EP675 EPOXY

BATCH NO.:

DATE: 1/17/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

C DITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT: X

TYPE MIXER BLADE: SHAKER AND 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: T470 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 78 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 6.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HARD TO MIX - SPRAYS WELL WHEN THINNED

PRODUCT: CEILGARD EP690 EPOXY

BATCH NO.:

DATE: 1/17/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT: X

TYPE MIXER BLADE: SHAKER AND 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: T460 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 78 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 20 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR:

POOR: X

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

X

X

X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE):

DRY FILM (AVERAGE): 13.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 4 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HARD TO MIX AND SPRAY - VERY HEAVY BODIED

PRODUCT: CEILGARD 470-01 URETHANE

BATCH NO.:

DATE: 1/18/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T410 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 78 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 60 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 2.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL

PRODUCT: CON-LUX 21 ZINC

BATCH NO.:

DATE: 8/14/85

COLOR: GRAY-GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION

SSPC: SP5

ABRASIVE: S. SAND

PROFILE: 1.5

OTHER:

CONDITION

A. SETTLING -

YES: X NO:

SOFT: X HARD:

OTHER:

IN

CONTAINER

SEPARATION - YES:

NO: X DESCRIPTION:

B. MIXING - MECHANICAL

EASY: X

DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES

EASY: X

DIFFICULT:

THINNING REQUIRED

YES:

NO: X TYPE:

QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X

OUTSIDE:

SHADE: X

SUN:

AIR TEMP (F): 80

SURFACE TEMP: SAME

%RH: HI

OTHER:

B. EQUIPMENT  
USED

AIRLESS:

TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X

TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66

AIR CAP: 63PB

FLUID PRESSURE: 2 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

X

CRACKING:

X

X

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 5 MILS

DRY FILM (AVERAGE): 2.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME

DRY TO TOUCH: 10 MIN

DRY THROUGH: 30 MIN

METALLIC POLISH: 1 HR

F. COMMENTS:

THIN - MIXES WELL - SPRAYS WELL - 2 PASSES TO GET 3 MILS

DRY - LESS THAN 1 MIL ON FLAT - 2 MILS ON CHANNEL CREATES

PRODUCT: CON-LUX EPOLON 20

BATCH NO.:

DATE: 8/29/85

COLOR:

LOCATION: KSC

ITEM COATED: 10 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL

EASY:

DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 145 QUANTITY: 15 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: HI OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

X

X

SAGS AND RUNS:

X

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 2.95 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - RUNS AND BUBBLES - BETTER APPEARANCE THAN HEAVY BUILD



PRODUCT: CON-LUX EPOLON 31

BATCH NO.:

DATE: 8/29/85

COLOR: LOCATION: KSC ITEM COATED: 9 TATOR PANELS  
SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 145 QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: HI OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI  
AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 9.26 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 18 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 6 HR DRY THROUGH: OVERNIGHT  
METALLIC POLISH:

F. COMMENTS: TOO HEAVY TO SPRAY AS COMES FROM CAN - ADDED 10% THINNER -  
BUBBLES BADLY AND DOES NOT LEVEL OUT ON SECOND PASS -

PRODUCT: CON-LUX ACROLON 200

BATCH NO.:

DATE: 8/30/85

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 18 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 131 QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: HI OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.69 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 3 HR

DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS WELL - 3 OZ. THINNER IN 30 OZ. OF PAINT  
DRIES A LITTLE SLOW

PRODUCT: CON-LUX WASH PRIME 47

BATCH NO.:

DATE: 9/10/83

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 4 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME XRH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): .5 MIL

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 1 MIL

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 1 HR

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - A LITTLE HEAVY

PRODUCT: CON-LUX VINYLROID 93

BATCH NO.:

DATE: 9/10/85

COLOR: GFF-WHITE

LOCATION: KSC

ITEM COATED: 4 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: VINYL

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 160 QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 30 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

ORANGE PEEL: X X X

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 10.17 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HEAVY WHEN COLD - NEEDS 10% THINNER TO SPRAY - BUILDS WELL  
DRIES FAST

PRODUCT: CON-LUX VINYLROID 98

BATCH NO.:

DATE: 9/12/85

COLOR: BUFF

LOCATION: KSC

ITEM COATED: 4 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: VINYL

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 160 QUANTITY: 15 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.25 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 10 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HEAVY - NEEDS THINNING - WORKS BETTER THINNED 15% - DOES NOT  
FLOW OUT

PRODUCT: CORONADO 935-152 ZINC BATCH NO.: DATE: 2/12/86

COLOR: GRAY LOCATION: KSC ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 40 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

### C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING: X X X

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 7 MILS

E. DRYING TIME DRY TO TOUCH: 15 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - MATERIAL SKINS OVER FAST - SKIN WILL  
BREAK UP AND CLOG GUN

PRODUCT: CORONADO 101-147 EPOXY

BATCH NO.:

DATE: 3/11/66

COLOR: RED

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

X

X

SAGS AND RUNS:

X

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 4 MILS DRY FILM (AVERAGE): 1.2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - VERY THIN - BUBBLES BADLY

COLOR: LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: HARD: OTHER: THICK

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

## APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES &amp; CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: VERY HEAVY BODIED - HARD TO MIX - SPRAYS FAIR AFTER THINNING -  
3 PASSES REQUIRED TO STOP BUBBLING AND PRODUCE MILLAGE



PRODUCT: CORONADO 827-1 URETHANE

BATCH NO.:

DATE: 3/12/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 45-202 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 7 MILS DRY FILM (AVERAGE): 3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - WORKS WELL - STARTS TO GEL IN GUN IN  
LESS THAN 2 HRS - ROUGH FINISH AFTER CURE

PRODUCT: DEVOE MARINE CATHACDAT 304 BATCH NO.: DATE: 10/11/80

COLOR: GRAY LOCATION: KSC ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP (F): 78 SURFACE TEMP: 78 %RH: 50 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

	GOOD: X	FAIR:	POOR:
1. ATOMIZATION			
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:	X		
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 8 MILS

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - SETTLES VERY QUICKLY IN HOSES AND POT  
MATERIAL WILL SETTLE IN HOSES IN LESS THAN 3 MIN

PRODUCT: DEVOE MARINE 201 EPOXY      BATCH NO.:      DATE: 12386  
COLOR: BUFF      LOCATION: KSC      ITEM COATED: 16 TATOR PANELS  
SURFACE PREPARATION      SSPC:      ABRASIVE:      PROFILE:      OTHER: ZINC  
CONDITION      A. SETTLING - YES:      NO: X SOFT: X HARD:      OTHER:  
IN  
CONTAINER      SEPARATION - YES:      NO: X DESCRIPTION:

B. MIXING - MECHANICAL      EASY:      DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X      DIFFICULT:

THINNING REQUIRED YES: X NO:      TYPE: EPOXY      QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL      INSIDE SHOP: X      OUTSIDE:      SHADE: X      SUN:  
CONDITIONS  
AIR TEMP(F): 78      SURFACE TEMP: 72      %RH: 40      OTHER:

B. EQUIPMENT  
USED      AIRLESS:      TYPE:  
RATIO:      TIP:      AIRMOTOR PRESSURE:  
CONVENTIONAL: X      TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66      AIR CAP: 63PB      FLUID PRESSURE: 20 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION      GOOD:      FAIR: X      POOR:  
2. COATING APPEARANCE      FLAT AREAS      ANGLES & CORNERS      WELD SEAM  
SMOOTH W/ FAIR FLOW:  
FAIRLY SMOOTH:  
ORANGE PEEL:      X      X      X  
OVERSPRAY:  
BUBBLES OR PINHOLES:      X      X      X  
SAGS AND RUNS:  
CRACKING:  
UNIFORM COLOR:      X      X      X  
VARYING COLOR:  
OTHER (DESCRIBE):

D. THICKNESS      WET FILM (AVERAGE): 6 MILS      DRY FILM (AVERAGE): 3 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME      DRY TO TOUCH: 2 HR      DRY THROUGH: 2 DAYS  
METALLIC POLISH:

F. COMMENTS: MIXES WELL - BUBBLES BADLY - DID NOT DRY HARD OVERNIGHT

PRODUCT: DEVOE MARINE 230 EPOXY BATCH NO.: DATE: 1/23/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 20 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 8.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - NEEDS THINNING TO SPRAY - DOES NOT BUBBLE BADLY

PRODUCT: DEVOE MARINE 239 URETHANE BATCH NO.: DATE: 1/24/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 5.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL

PRODUCT: DEVOE MARINE 249 URETHANE BATCH NO. : DATE: 1/24/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT USED  
AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL

PRODUCT: DEVDE PRUFCOAT Z. P. 500

BATCH NO.:

DATE: 2/27/88

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS: X X X

CRACKING:

UNIFORM COLOR:

VARYING COLOR: X X X

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 4 MILS DRY FILM (AVERAGE): 1.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: SPRAYS FAIR - MIX SETTLES BADLY - SETTLES IN POT WITH MIXER  
RUNNING - ONE PASS WILL NOT BUILD TO SPEC WITHOUT RUNNING

PRODUCT: DEVDE PRUFCDAT 545 EPOXY

BATCH NO.:

DATE: 4/9/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T10 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - NEEDS THINNING TO SPRAY - DOES NOT  
WORK AS WELL AS 547



PRODUCT: DEVCOE PRUF COAT 547 EPOXY

BATCH NO.:

DATE: 4/9/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T10 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 9 MILS DRY FILM (AVERAGE): 7.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 1 HR

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUILDS WELL - EASY CLEAN UP

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOX

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T9 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 74 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES &amp; CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 5.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS EXCELLENT

PRODUCT: DEVCOE PRUF COAT 359 URETHANE      BATCH NO.:      DATE: 4/10/86  
COLOR: WHITE      LOCATION: KSC      ITEM COATED: 8 TATOR PANELS  
SURFACE PREPARATION      SSPC:      ABRASIVE:      PROFILE:      OTHER: EPOXY  
CONDITION      A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER      SEPARATION - YES: NO: X DESCRIPTION:  
B. MIXING - MECHANICAL      EASY:      DIFFICULT:  
TYPE MIXER BLADE:  
HAND MIXING PROPERTIES EASY: X DIFFICULT:  
THINNING REQUIRED YES: NO: X TYPE:      QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL      INSIDE SHOP: X      OUTSIDE:      SHADE: X      SUN:  
CONDITIONS  
AIR TEMP(F): 78      SURFACE TEMP: 74      %RH: 80      OTHER:  
B. EQUIPMENT  
USED      AIRLESS:      TYPE:  
RATIO:      TIP:      AIRMOTOR PRESSURE:  
CONVENTIONAL: X      TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66      AIR CAP: 63PB      FLUID PRESSURE: 5 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS      WET FILM (AVERAGE):      DRY FILM (AVERAGE): 7.3 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME      DRY TO TOUCH: 1 HR      DRY THROUGH: OVERNIGHT  
METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS EXCELLENT

PRODUCT: DUPONT GANICIN 347-Y-931

BATCH NO.:

DATE: 2/13/66

COLOR: GRAY-GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: TY3826 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 5.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 12 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 15 MILS

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 4 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES WELL - HEAVY BODIED - BUILDS TOO FAST - STILL TOO HEAVY  
WHEN THINNED 10%

PRODUCT: DUPONT 823BB EPOXY

BATCH NO.:

DATE: 3/5/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 XRH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH;

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - MIST COAT REQUIRED TO REDUCE BUBBLING

PRODUCT: DUPONT 823HB EPOXY

BATCH NO.:

DATE: 3/5/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: TY3871 QUANTITY: 15%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 12 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 9 MILS DRY FILM (AVERAGE): 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - MUST MIST COAT TO REDUCE BUBBLING

PRODUCT: DUPONT 326 URETHANE

BATCH NO.:

DATE: 3/6/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP (F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 12 PSI

AIR PRESSURE: 55 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

X

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - RUNS AND SAGS AT 5 MILS WET

PRODUCT: DUPONT 369HB URETHANE

BATCH NO.:

DATE: 3/6/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL

EASY:

DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 55 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR: X

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

X

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - REQUIRED WET FILM WILL RUN



PRODUCT: ENGARD 519 ZINC

BATCH NO.:

DATE: 4/4/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:		X	
UNIFORM COLOR:			
VARYING COLOR:	X	X	X
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.8 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 40 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS  
METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES WELL - SPRAYS FAIR - DRIES FAST - EASY CLEAN UP

PRODUCT: ENGARD 1447 EPOXY

BATCH NO.:

DATE: 4/24/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

C DITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 74 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 20 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - THINNING A MUST FOR SPRAYING - SLOW CURING

PRODUCT: ENGARD 428 URETHANE

BATCH NO.:

DATE: 4/25/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

C DITION . A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 38 QUANTITY: 15%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 78 SURFACE TEMP: 74 %RH: 40 OTHER:

B. EQUIPMENT USED  
AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 20 PSI  
AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:  
2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM  
SMOOTH W/ FAIR FLOW:  
FAIRLY SMOOTH: X X X  
ORANGE PEEL:  
OVERSPRAY:  
BUBBLES OR PINHOLES:  
SAGS AND RUNS:  
CRACKING:  
UNIFORM COLOR: X X X  
VARYING COLOR:  
OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 7 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT  
METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - VERY HEAVY BODIED - SLOW CURING

PRODUCT: ENGARD 449 URETHANE

BATCH NO.:

DATE: 4/25/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 38 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 74 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 45 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 3 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: PART B REQUIRED SHAKING - SPRAYS FAIR - VERY HEAVY BODIED  
HARD TO CLEAN GUN AFTER ONE HOUR

PRODUCT: GLIDDEN 5530/5531

BATCH NO.:

DATE: 8/20/85

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 22 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 2 OTHER:

C DITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 5538 QUANTITY: 3 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.95 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 30 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 7 MILS

E. DRYING TIME DRY TO TOUCH: 10 MIN DRY THROUGH: 30 MIN

METALLIC POLISH: 1.5 HR

F. COMMENTS: SPRAYS WELL - NO SETTLING - DRIES FAST - WORKS WELL

PRODUCT: GLIDDEN 5536/5537

BATCH NO.:

DATE: 8/16/85

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 22 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C. POSITION IN CONTAINER A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 85 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 5 MILS

E. DRYING TIME DRY TO TOUCH: 10 MIN DRY THROUGH: 30 MIN

METALLIC POLISH: 1.5 HR

F. COMMENTS: SPRAYS WELL - DOES NOT SETTLE MUCH - VERY THIN - DRIES FAST

PRODUCT: GLIDDEN 5461 EPOXY

BATCH NO.:

DATE: 9/3/85

COLOR: RED

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: MEK QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR: X

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 5.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL WHEN THINNED - RUNS

PRODUCT: GLIDDEN 5555 EPOXY

BATCH NO.:

DATE: 9/3/85

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: MEK QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 38 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR: X

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 11.77 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HR

DRY THROUGH: 6 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - BUILDS WITH 5 MINUTES BETWEEN PASSES



PRODUCT: GLIDDEN 6252 URETHANE

BATCH NO.:

DATE: 9/4/85

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: MEK QUANTITY: 5 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X  
FAIRLY SMOOTH:  
ORANGE PEEL:  
OVERSPRAY:  
BUBBLES OR PINHOLES:  
SAGS AND RUNS: X  
CRACKING:  
UNIFORM COLOR: X X X  
VARYING COLOR:  
OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - RUNS - BUILDS WITH 5 MINUTES BETWEEN PASSES

PRODUCT: GLIDDEN H-B URETHANE

BATCH NO.:

DATE: 9/4/85

COLOR: OFF-WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: MEK QUANTITY: 10 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 75 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: PSI

AIR PRESSURE: PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 5.8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - COVERS WELL

PRODUCT: INTERNATIONAL QHA027 ZINC

BATCH NO.:

DATE: 10/28/85

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C ONDITION A. SETTLING - YES: X NO: SOFT: HARD: X OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 78 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 40 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 5 MILS

E. DRYING TIME DRY TO TOUCH: 15 MIN DRY THROUGH: 1 HR

METALLIC POLISH: OVERNIGHT

F. COMMENTS: LIQUID HAD SETTLED HARD IN CAN - MIX SETTLED QUICKLY - SPRAYS  
WELL - DRIES FAST - DOES NOT RUN

PRODUCT: INTERNATIONAL 745 EPOXY

BATCH NO.:

DATE: 1/27/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 35 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 4.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - NO BUBBLING

PRODUCT: INTERNATIONAL EXA008 EPOXY BATCH NO.: DATE: 1/27/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 35 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - BUBBLES BADLY - SLOW CURING

PRODUCT: INTERNATIONAL TAA423 EPOXY

BATCH NO.:

DATE: 1/28/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 35 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - MIST COAT REQUIRED TO REDUCE BUBBLING  
1 HR REQUIRED FOR MIST COAT TO SET - SLOW CURING

PRODUCT: INTERNATIONAL PC8000 URETHANE BATCH NO.:

DATE: 1/29/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 35 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X  
FAIRLY SMOOTH:  
ORANGE PEEL:  
OVERSPRAY:  
BUBBLES OR PINHOLES:  
SAGS AND RUNS:  
CRACKING:  
UNIFORM COLOR: X X X  
VARYING COLOR:  
OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 4 MILS DRY FILM (AVERAGE): 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - DRIES FAST - NO BUBBLING

PRODUCT: INTERNATIONAL PHB000 URETHANE BATCH NO.:

DATE: 1/29/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 35 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUBBLES BADLY EVEN OVER TIE COAT - SLOW CURING



PRODUCT: KOPPERS 701 ZINC

BATCH NO.:

DATE: 11/1/85

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C ONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: 2000 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 30 PSI

AIR PRESSURE: 65 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

ORANGE PEEL:

X

X

X

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 12 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 10 MILS

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: 3 HRS

F. COMMENTS: MIXES WELL - VERY HEAVY BODIED - DOES NOT SPRAY WELL AFTER 10%  
THINNING - NEED AIRLESS FOR SPRAYING

PRODUCT: KOPPERS 654 EPOXY

BATCH NO.:

DATE: 2/7/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP (F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 34 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 5.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUBBLES AT 5 MILS WET EVEN WITH MIST COAT

PRODUCT: KOPPERS HI GARD EPOXY

BATCH NO.:

DATE: 2/7/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 20 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 13 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - VERY HEAVY BODIED - SLOW CURING

PRODUCT: KOPPERS 1122BRS URETHANE

BATCH NO.:

DATE: 2/10/00

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 34 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS: X X X

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 2.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 24 HRS DRY THROUGH: 4 DAYS

METALLIC POLISH:

F. COMMENTS: MIXES WELL - RUNS AT 4 MILS WET - DOES NOT COVER WELL - VERY THIN - VERY SLOW DRY - TOOK 4 DAYS TO DRY THROUGH

PRODUCT: MOBIL/VALSPAR 13-F-12 ZINC

BATCH NO.:

DATE: 10/23/85

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C. DITION A. SETTLING - YES: X NO: SOFT: HARD: X OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT: X

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 7-T-35 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GODD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.6 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 8 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME DRY TO TOUCH: 10 MIN DRY THROUGH: 1 HR

METALLIC POLISH: OVERNIGHT

F. COMMENTS: LIQUID HAD SETTLED HARD - HARD TO MIX - SPRAYS WELL WHEN  
THINNED - DOES NOT RUN - EASY CLEAN UP

PRODUCT: MOBIL/VALSPAR 13-R-56 EPOXY BATCH NO.: DATE: 2/5/88

COLOR: RED LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

	GOOD: X	FAIR:	POOR:
1. ATOMIZATION			
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 4.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - SMALL BUBLES EVEN WITH MIST COAT

PRODUCT: MOBIL/VALSPAR 78-W-3 EPOXY

BATCH NO.:

DATE: 2/5/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: EPOXY QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES &amp; CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

X

X

X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

X

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE):

DRY FILM (AVERAGE): 8.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 1 HR

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUBBLES BADLY EVEN AFTER MIST COAT

PRODUCT: MOBIL/VALSPAR 40-W-9 URETHANE BATCH NO. : DATE: 2/6/66

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 4 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - DRIES FAST



PRODUCT: MOBIL/VALSPAR 41-W-9 URETHANE BATCH NO. : DATE: 2/6/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: EPOXY

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT  
USED  
AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 4 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - DRIES FAST

PRODUCT: MOBIL/VALSPAR 83HB VINYL

BATCH NO.:

DATE: 2/7/00

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 6.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 4 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - DRIES FAST

PRODUCT: MOBIL/VALSPAR 22 VINYL

BATCH NO.:

DATE: 2/6/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: VINYL

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: 76 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 3.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 4 HRS

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - THINNING WOULD HELP - DRIES FAST

PRODUCT: NAPKO 177 - 52

BATCH NO.:

DATE: 07-22-66

COLOR: GRAY-GREEN LOCATION: KSC ITEM COATED: 22 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 40

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY: X X X

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.69 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: OVER 40 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 15 MILS

E. DRYING TIME DRY TO TOUCH: 1 MIN DRY THROUGH: 1 HR

METALLIC POLISH: 2 HR

F. COMMENTS: MIXES WELL - SPRAYS WELL - DRIES FAST - WILL CAUSE  
OVERSPRAY - DOES NOT RUN TO OVER 40 MILS - BUILDS FAST -  
STAYS USABLE IN POT OVER 24 HOURS

PRODUCT: NAPKO 516 EPOXY

BATCH NO.:

DATE: 5/3/66

COLOR: RED

LOCATION: KSC

ITEM COATED: 9 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.28 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 15 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 6 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - MIXED WELL - DRIED FAIRLY FAST - BUILT TO  
SPEC IN 2 PASSES

COLOR: GRAY LOCATION: KSC ITEM COATED: 9 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

## APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 76 SURFACE TEMP: SAME XRH: OTHER:

B. EQUIPMENT AIRLESS: TYPE:  
USED  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 35 PSI

## C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:	X	X	X
CRACKING:			
UNIFORM COLOR:			
VARYING COLOR:	X	X	X
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 10.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HARD TO SPRAY - RUNS - SLOW DRY - 2 PASSES WITH 10 MIN WAIT

PRODUCT: NAPKO 290 URETHANE

BATCH NO.:

DATE: 5/6/80

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 9 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 42 QUANTITY: 5 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.33 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - BUILDS TO SPEC IN ONE PASS - NEEDS A LITTLE THINNER

PRODUCT: NAPKO 295 URETHANE

BATCH NO.:

DATE: 5/6/68

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 9 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 42 QUANTITY: 5 %

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 76 SURFACE TEMP: SAME XRH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS: X X X

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 15.77 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXED WELL - SPRAYS WELL AFTER ABOUT 5 % THINNING - TAKES  
2 PASSES TO BRING TO SPEC



PRODUCT: PORTER ZINC-LOCK 311

BATCH NO.:

DATE: 2/10/00

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SPS ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 70 OTHER:

B. EQUIPMENT USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

ORANGE PEEL: X X X

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 10 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 15 MILS

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: 3 HRS

F. COMMENTS: MIXES WELL - SPRAYS FAIR - DOES NOT FLOW WELL - BUILDS HEAVY  
EASY CLEAN UP - MATERIAL SETTLED UNDER AGITATOR

PRODUCT: PORTER MCR-43 EPOXY BATCH NO.: DATE: 3/13/88

COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T15 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS  
AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI  
AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:			
FAIRLY SMOOTH:	X	X	X
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 3.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - BUBBLES EVEN WITH MIST COAT

PRODUCT: PORTER MAGNA-GLASS 77 EPOXY BATCH NO.: DATE: 3/14/80

COLOR: GREEN LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: X NO: TYPE: T5 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 80 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 25 PSI  
AIR PRESSURE: 30 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X  
2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

ORANGE PEEL: X X X

OVERSPRAY: X X X

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 20 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 4 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: HARD TO MIX BY HAND - HARD TO SPRAY - VERY HEAVY BODIED -  
SHOULD SPRAY WITH AIRLESS - SLOW CURING

PRODUCT: PORTER 4610 URETHANE

BATCH NO.:

DATE:

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 30 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 2.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - EASY CLEAN UP - COVERS WELL - HIGH GLOSS - DRIES FAST

PRODUCT: PORTER 8610 URETHANE

BATCH NO.:

DATE: 3/17/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: T24 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 30 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUILDS FAST - NEEDS MORE THINNING  
EASY CLEAN UP

PRODUCT: PPG METALHIDE 1001

BATCH NO.:

DATE: 8/22/66

COLOR: BRICK RED LOCATION: KSC ITEM COATED: 22 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT: X

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS: X X X

CRACKING:

UNIFORM COLOR:

VARYING COLOR: X X X

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.65 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 3.5 MILS

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HR

METALLIC POLISH: 4 HR

F. COMMENTS: CAN NOT GET 3 MILS IN ONE PASS - MIXES WELL - RUNS BADLY -  
SKINS OVER IN CUP AFTER 15 MIN - GET A LOT OF DRY SPRAY

PRODUCT: PPG 97-3 EPOXY

BATCH NO.:

DATE: 5.27.00

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 6 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.58 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1.5 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: SPRAYS WELL - MIST COAT FLASHES IN 5 MINUTES THEN FULL COAT -  
LITTLE BUBBLES

COLOR: WHITE LOCATION: KSC ITEM COATED: 6 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: JIFFY MIXER

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 97-725 QUANTITY: 5 %

## APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 6 PSI

AIR PRESSURE: 36 PSI

## C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES &amp; CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 7.25 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: NEEDS THINNING - DRIES SLOW - ORANGE PEEL



COLOR: GRAY LOCATION: KSC ITEM COATED: 6 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: ZYLOL QUANTITY: 10 %

## APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 36 PSI

## C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: POOR: X

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH:

ORANGE PEEL: X X X

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 13.47 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: VERY HEAVY - NEEDS THINNING - SLOW DRY - HARD TO SPRAY - DOES NOT RUN

PRODUCT: PPG 97-812 URETHANE

BATCH NO.:

DATE: 9/10/83

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 18 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP (F): 76 SURFACE TEMP: SAME %RH: OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 6.61 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 4 HR

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - NO RUNS AT SPEC

PRODUCT: RELIANCE REL-ZINC 100

BATCH NO.:

DATE: 11-11-77

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 80 SURFACE TEMP: 74 %RH: 60 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI  
AIR PRESSURE: 45 PSI

### C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 7 MILS DRY FILM (AVERAGE): 5 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 7 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 2 HRS  
METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - WORKS WELL - EASY CLEAN UP

PRODUCT: RELIANCE REL-PON 592P EPOXY      BATCH NO. :      DATE: 3/27/88

COLOR: RED      LOCATION: KSC      ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION      SSPC:      ABRASIVE:      PROFILE:      OTHER: ZINC

CONDITION      A. SETTLING -      YES:      NO: X      SOFT: X      HARD:      OTHER:  
IN  
CONTAINER      SEPARATION - YES:      NO: X      DESCRIPTION:

B. MIXING - MECHANICAL      EASY: X      DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES      EASY: X      DIFFICULT:

THINNING REQUIRED      YES: X      NO:      TYPE: SA65      QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL      INSIDE SHOP: X      OUTSIDE:      SHADE: X      SUN:  
CONDITIONS      AIR TEMP(F): 76      SURFACE TEMP: 70      %RH: 80      OTHER:

B. EQUIPMENT      AIRLESS:      TYPE:  
USED      RATIO:      TIP:      AIRMOTOR PRESSURE:  
CONVENTIONAL: X      TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66      AIR CAP: 63PB      FLUID PRESSURE: 5 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD: X	FAIR:	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS      WET FILM (AVERAGE):      DRY FILM (AVERAGE): 2.6 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME      DRY TO TOUCH: 30 MIN      DRY THROUGH: 2 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - NO BUBBLING - DRIES FAST

PRODUCT: RELIANCE REL-PON 70 EPOXY      BATCH NO.:      DATE: 3/27/00

COLOR: WHITE      LOCATION: KSC      ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION      SSPC:      ABRASIVE:      PROFILE:      OTHER: ZINC

CONDITION      A. SETTLING -      YES:      NO: X      SOFT: X      HARD:      OTHER:

IN      SEPARATION - YES:      NO: X      DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL      EASY: X      DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES      EASY: X      DIFFICULT:

THINNING REQUIRED      YES: X      NO:      TYPE: S74      QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL      INSIDE SHOP: X      OUTSIDE:      SHADE: X      SUN:  
CONDITIONS

AIR TEMP(F): 76      SURFACE TEMP: 70      %RH: 80      OTHER:

B. EQUIPMENT  
USED

AIRLESS:      TYPE:

RATIO:      TIP:      AIRMOTOR PRESSURE:

CONVENTIONAL: X      TYPE GUN: BINKS 18      PRESSURE CUP

FLUID TIP: 66      AIR CAP: 63PB      FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION      GOOD:      FAIR: X      POOR:

2. COATING APPEARANCE      FLAT AREAS      ANGLES & CORNERS      WELD SEAM

SMOOTH W/ FAIR FLOW:      X      X      X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:      X      X      X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS      WET FILM (AVERAGE): 9 MILS      DRY FILM (AVERAGE): 6.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME      DRY TO TOUCH: 1 HR      DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - VERY HEAVY BODIED - THINNED MIST  
COAT 40% - NO BUBBLING

PRODUCT: RELIANCE 300 URETHANE

BATCH NO.:

DATE: 07-20-66

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 76 SURFACE TEMP: 70 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - A LITTLE HEAVY - COVERS WELL

PRODUCT: RELIANCE 320 URETHANE

BATCH NO.:

DATE: 6/9/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 9.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - BUILDS FAST - EASY CLEAN UP - LOOKS  
A LITTLE ROUGH

PRODUCT: RUSTOLEUM 5686 ZINC

BATCH NO.:

DATE: 3/13/86

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 8 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 9 MILS

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 3 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - SETTLES QUICKLY - NO CRACKING



PRODUCT: RUSTOLEUM 9373 EPOXY

BATCH NO.:

DATE: 4/15/88

COLOR: ORANGE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 3 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 2.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 1 HR

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS EXCELLENT

PRODUCT: RUSTOLEUM 9582 EPOXY

BATCH NO.:

DATE: 4/13/88

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 160 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR: X

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE):

DRY FILM (AVERAGE): 11 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - SLOW CURING

PRODUCT: RUSTOLEUM A95-1501 EPOXY BATCH NO.: DATE: 7/15/01  
COLOR: ALUMINUM LOCATION: KSC ITEM COATED: 8 TATOR PANELS  
SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC  
CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN SEPARATION - YES: NO: X DESCRIPTION:  
CONTAINER B. MIXING - MECHANICAL EASY: DIFFICULT:  
TYPE MIXER BLADE:  
HAND MIXING PROPERTIES EASY: X DIFFICULT:  
THINNING REQUIRED YES: X NO: TYPE: 160 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 50 OTHER:  
B. EQUIPMENT AIRLESS: TYPE:  
USED RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI  
AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION	GOOD:	FAIR: X	POOR:
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X		
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 13.8 MILS  
MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:  
MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT  
METALLIC POLISH:

F. COMMENTS: MIXES WELL - SPRAYS FAIR - HEAVY BODIED - NEED 2 PASSES TO  
GET MILLAGE - LESS BUBBLING WITH UNTHINNED MIST COAT

PRODUCT: RUSTOLEUM 9400 URETHANE

BATCH NO.:

DATE: 4/16/88

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 24 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 34 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: 3 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL - WORKS VERY WELL

PRODUCT: SHERWIN-WILLIAMS POLANE

BATCH NO.:

DATE: 1/31/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: POLANE QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 28 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 2.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 3 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - LOOKS GOOD

PRODUCT: SHERWIN-WILLIAMS B65WW1

BATCH NO.:

DATE: 1/31/88

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 5B QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW: X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 3 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL

PRODUCT: SHERWIN-WILLIAMS ZINC CLAD

BATCH NO.:

DATE: 10/28/81

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN SEPARATION - YES: NO: X DESCRIPTION:

CONTAINER

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 8 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING: X X

UNIFORM COLOR:

VARYING COLOR: X X

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 3.7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES AND SPRAYS WELL - SLIGHT MUDCRACKING - EASY CLEAN UP

PRODUCT: SHERWIN-WILLIAMS TILE CLAD II BATCH NO.: DATE: 1/30/88

COLOR: RED LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
IN  
CONTAINER SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 54 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 2.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - SMALL BUBBLES



PRODUCT: SHERWIN-WILLIAMS B62WA1 EPOXY BATCH NO.: DATE: 1/30/86

COLOR: WHITE LOCATION: KSC ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER: ZINC

CONDITION IN CONTAINER A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 54 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 74 SURFACE TEMP: 74 %RH: 50 OTHER:

B. EQUIPMENT USED AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

	GOOD: X	FAIR:	POOR:
1. ATOMIZATION			
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:	X	X	X
SAGS AND RUNS:			
CRACKING:			
UNIFORM COLOR:	X	X	X
VARYING COLOR:			
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 7.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - THINNED MIST COAT 100%

PRODUCT: SIGMA 7551 ZINC

BATCH NO.:

DATE: 2/21/86

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

CONDITION IN CONTAINER  
A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 70-01 QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS  
INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 60 OTHER:

B. EQUIPMENT USED  
AIRLESS: TYPE:  
RATIO: TIP: AIRMOTOR PRESSURE:  
CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP  
FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI  
AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

	GOOD:	FAIR: X	POOR:
1. ATOMIZATION			
2. COATING APPEARANCE	FLAT AREAS	ANGLES & CORNERS	WELD SEAM
SMOOTH W/ FAIR FLOW:	X	X	X
FAIRLY SMOOTH:			
ORANGE PEEL:			
OVERSPRAY:			
BUBBLES OR PINHOLES:			
SAGS AND RUNS:			
CRACKING:			X
UNIFORM COLOR:			
VARYING COLOR:	X	X	X
OTHER (DESCRIBE):			

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 10 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 6 MILS

E. DRYING TIME DRY TO TOUCH: 30 MINS DRY THROUGH: 4 HRS

METALLIC POLISH: 4 HRS

F. COMMENTS: MIXES WELL - SPRAYS FAIR - SETTLES BADLY - SETTLES UNDER AGITATOR IN LESS THAN 20 MIN

PRODUCT: SIGMA 5434 EPOXY

BATCH NO.:

DATE: 3/26/86

COLOR: GRAY

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 91-92 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 36 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GODD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE):

DRY FILM (AVERAGE): 2.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 2 HRS

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - THINNED 25% FOR MIST COAT - BUBBLES

PRODUCT: SIGMA 7523 URETHANE

BATCH NO.:

DATE: 3/27/88

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 70 %RH: 80 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - A FEW SMALL BUBBLES ON SOME PANELS -  
LOOKS GOOD

PRODUCT: SUBOX GALVANOX V ZINC

BATCH NO.:

DATE: 2/14/86

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SP5 ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C DITION A. SETTLING - YES: X NO: SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: 3 BLADE PNEUMATIC

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: ZINC QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 80 SURFACE TEMP: 72 %RH: 60 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

VARYING COLOR: X X X

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 6 MILS DRY FILM (AVERAGE): 4.3 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 7 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 12 MILS

E. DRYING TIME DRY TO TOUCH: 30 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: MIXES WELL - SPRAYS FAIR - HEAVY - NEEDS A LITTLE THINNER

PRODUCT: SUBOX GALVANOX IV ZINC

BATCH NO.:

DATE: 3/25/86

COLOR: GREEN

LOCATION: KSC

ITEM COATED: 30 TATOR PANELS

SURFACE PREPARATION SSPC: SPS ABRASIVE: S. SAND PROFILE: 1.5 OTHER:

C DITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

IN  
CONTAINER

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: ZINC QUANTITY: 15%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
CONDITIONS

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 AGITATED CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 15 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW:

FAIRLY SMOOTH: X X X

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 5 MILS DRY FILM (AVERAGE): 3.1 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING: 10 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING: 4 MILS

E. DRYING TIME DRY TO TOUCH: 20 MIN DRY THROUGH: 2 HRS

METALLIC POLISH: OVERNIGHT

F. COMMENTS: HARD TO GET THINNER TO MIX - SKINS OVER FAST - DOES NOT SETTLE  
BADLY - EASY CLEAN UP

PRODUCT: SUBOX CAPOX A8051 EPOXY

BATCH NO.:

DATE: 4/2/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: X NO: SOFT: HARD: X OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: X DIFFICULT:

TYPE MIXER BLADE: SHAKER

HAND MIXING PROPERTIES EASY: DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: CAPOX QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD:

FAIR: X

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

X

X

SAGS AND RUNS:

X

X

X

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 2.5 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 1 HR

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS FAIR - BUBBLES - RUNS AT REQUIRED MILLAGE

PRODUCT: SUBOX CAPOX 8500HB EPOXY

BATCH NO.:

DATE: 4/2/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: AHB QUANTITY: 5%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO:

TIP:

AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 40 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION

GOOD: X

FAIR:

POOR:

2. COATING APPEARANCE

FLAT AREAS

ANGLES & CORNERS

WELD SEAM

SMOOTH W/ FAIR FLOW:

X

X

X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

X

X

X

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR:

X

X

X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS

WET FILM (AVERAGE):

DRY FILM (AVERAGE): 5.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME

DRY TO TOUCH: 30 MIN

DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL - BUBBLES EVEN AFTER MIST COAT



PRODUCT: SUBOX CAPOX AB551 EPOXY

BATCH NO.:

DATE: 4/2/86

COLOR: RED

LOCATION: KSC

ITEM COATED: 16 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: ZINC

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: NO: X TYPE: QUANTITY:

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 10 PSI

AIR PRESSURE: 60 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: FAIR: X POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES &amp; CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES: X X X

SAGS AND RUNS: X X X

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 4.4 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT

METALLIC POLISH:

F. COMMENTS: MIXES WELL - NEED HIGH PRESSURE TO SPRAY WITHOUT THINNING

PRI PRODUCT: SUBOX SUBTHANE 3000 BATCH NO.: DATE: 3/4  
 COI COLOR: WHITE LOCATION: KSC ITEM COATED: 16 TATOR PANELS  
 SUI SURFACE PREPARATION SSPC: ABRASIVE: PROFILE: OTHER:  
 C<sup>o</sup> CONDITION A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:  
 IN  
 COI CONTAINER SEPARATION - YES: NO: X DESCRIPTION:  
 B. MIXING - MECHANICAL EASY: DIFFICULT:  
 TYPE MIXER BLADE:  
 HAND MIXING PROPERTIES EASY: X DIFFICULT:  
 THINNING REQUIRED YES: NO: X TYPE: QUANTITY:  
 APF APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)  
 A. ENVIRONMENTAL INSIDE SHOP: X OUTSIDE: SHADE: X SUN:  
 CONDITIONS AIR TEMP(F): 78 SURFACE TEMP: 72 %RH: 40 OTHER:  
 B. EQUIPMENT USED AIRLESS: TYPE:  
 RATIO: TIP: AIRMOTOR PRESSURE:  
 CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP  
 FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 5 PSI  
 AIR PRESSURE: 40 PSI  
 C. HANDLING PROPERTIES  
 1. ATOMIZATION GOOD: X FAIR: POOR:  
 2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM  
 SMOOTH W/ FAIR FLOW: X X X  
 FAIRLY SMOOTH:  
 ORANGE PEEL:  
 OVERSPRAY:  
 BUBBLES OR PINHOLES:  
 SAGS AND RUNS:  
 CRACKING:  
 UNIFORM COLOR: X X X  
 VARYING COLOR:  
 OTHER (DESCRIBE):  
 D. THICKNESS WET FILM (AVERAGE): DRY FILM (AVERAGE): 2.1 MILS  
 MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:  
 MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:  
 E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: OVERNIGHT  
 METALLIC POLISH:  
 F. COMMENTS: MIXES AND SPRAYS WELL - COVERS WELL - LOOKS GOOD

PRODUCT: TNEC 70 URETHANE

BATCH NO.:

DATE: 1/22/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 19 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL  
CONDITIONS

INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 2 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE): FOAMS X X

D. THICKNESS WET FILM (AVERAGE): 4 MILS DRY FILM (AVERAGE): 2 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 6 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - FOAMS WITH EXCESS MILLAGE

PRODUCT: TNE MEC 73 URETHANE

BATCH NO.:

DATE: 1/22/86

COLOR: WHITE

LOCATION: KSC

ITEM COATED: 8 TATOR PANELS

SURFACE PREPARATION

SSPC:

ABRASIVE:

PROFILE:

OTHER: EPOXY

CONDITION  
IN  
CONTAINER

A. SETTLING - YES: NO: X SOFT: X HARD: OTHER:

SEPARATION - YES: NO: X DESCRIPTION:

B. MIXING - MECHANICAL EASY: DIFFICULT:

TYPE MIXER BLADE:

HAND MIXING PROPERTIES EASY: X DIFFICULT:

THINNING REQUIRED YES: X NO: TYPE: 19 QUANTITY: 10%

APPLICATION CONDITIONS AND COATING PROPERTIES (REPORT ON EACH PRODUCT APPLIED)

A. ENVIRONMENTAL CONDITIONS INSIDE SHOP: X OUTSIDE: SHADE: X SUN:

AIR TEMP(F): 80 SURFACE TEMP: 80 %RH: 40 OTHER:

B. EQUIPMENT  
USED

AIRLESS: TYPE:

RATIO: TIP: AIRMOTOR PRESSURE:

CONVENTIONAL: X TYPE GUN: BINKS 18 PRESSURE CUP

FLUID TIP: 66 AIR CAP: 63PB FLUID PRESSURE: 4 PSI

AIR PRESSURE: 35 PSI

C. HANDLING PROPERTIES

1. ATOMIZATION GOOD: X FAIR: POOR:

2. COATING APPEARANCE FLAT AREAS ANGLES & CORNERS WELD SEAM

SMOOTH W/ FAIR FLOW: X X X

FAIRLY SMOOTH:

ORANGE PEEL:

OVERSPRAY:

BUBBLES OR PINHOLES:

SAGS AND RUNS:

CRACKING:

UNIFORM COLOR: X X X

VARYING COLOR:

OTHER (DESCRIBE):

D. THICKNESS WET FILM (AVERAGE): 8 MILS DRY FILM (AVERAGE): 4.9 MILS

MAXIMUM DRY FILM THICKNESS WITHOUT SAGGING:

MAXIMUM DRY FILM THICKNESS WITHOUT CRACKING:

E. DRYING TIME DRY TO TOUCH: 1 HR DRY THROUGH: 6 HRS

METALLIC POLISH:

F. COMMENTS: MIXES AND SPRAYS WELL - REQUIRES TWO PASSES TO GET MILLAGE